MAXIMUM PIPE DIAMETER (%)	MAXIMUM EMT	ANNULAR SPACE (in.)	FORMING MATERIAL THICKNESS (in.)	MINIMUM SEALANT THICKNESS (in.)	F RATING (HOURS)	T RATING (HOURS)
1-1/2	–	3/8 TO 2-1/8	2-1/2	2	3	1
6	4	3/8 TO 3/4	3-1/2	1	3	0
6	4	3/8 TO 1	2-1/2	2	3	0

UL SYSTEM NUMBER: C-AJ-1020
F RATING - 3 HR.

PIPE AND CONDUIT PENETRATION
DETAIL IN CONCRETE OR MASONRY

UL SYSTEM NUMBER: W-L-1029
F RATING - 1 & 2 HR.

PIPE AND CONDUIT PENETRATION
DETAIL IN GYPSUM WALLBOARD

UL SYSTEM NUMBER: C-AJ-2057
F RATING - 2 HR.

PVC CONDUIT PENETRATION
DETAIL IN CONCRETE OR MASONRY

ALL CORES THROUGH ELECTRIC ROOMS TO BE FIRE-STOPPED.

USE FULL CONDUIT RUNS THROUGH PENETRATIONS

PIPE AND CONDUIT PENETRATION
DETAIL IN NON-RATED PARTITION

PENETRATION DETAILS

SCALE: N.T.S.

WALL HR	MAX DIAM OF THROUGH PENETRANT in.	T RATING HR
1	2	1
1	1-1/4	1
2	2	1
2	1-1/4	1 1/2

THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.

THROUGH PENETRANTS: ONE 2"ø NONMETALLIC PIPE, CONDUIT OR RACEWAY TO BE CENTERED WITHIN THE FIRESTOP SYSTEM. A NOM ANNULAR SPACE OF 5/16 in. IS REQUIRED WITHIN THE FIRESTOP SYSTEM. PIPE, CONDUIT OR RACEWAY TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE FLOOR OR WALL ASSEMBLY.

FILL, VOID OR CAVITY MATERIAL - SEALANT: MIN 5/8 in. THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. ADDITIONAL FILL MATERIAL TO BE INSTALLED SUCH THAT A MIN 1/4 in. THICK CROWN IS FORMED AROUND THE PENETRATING ITEM AND LAPPING 1 in. BEYOND THE PERIPHERY OF THE OPENING.

SPECIFIED TECHNOLOGIES INC:

UL SYSTEM NUMBER: W-L-2093
F RATING - 1 & 2 HR.

C CONDUIT PENETRATION
TAIL IN GYPSUM WALLBOARD

FUSE PANEL DETAIL

SCALE: N.T.S.

PROPOSED NID DETAIL

SCALE: N.T.S.

RESURGAM CITY OF PORTLAND, MAINE

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 07/26/13

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Hudson Design Group LLC
1600 OSGOOD STREET
BUILDING 20 NORTH, SUITE 3090
N. ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

CHECKED BY: KB

APPROVED BY: DPH

SUBMITTALS

REV.	DATE	DESCRIPTION	BY
0	09/12/12	FOR REVIEW	TH

SITE NUMBER:
NM03XC067

SITE NAME:
ONE CITY CENTER
PORTLAND

SITE ADDRESS:
1 CITY CENTER
PORTLAND, ME 04101

SHEET TITLE
DETAILS

SHEET NUMBER
A-2